



**Figure 60. A Summary of number and type of tested performed for each Pile section: Test Matrix**

### *Loading Protocol*

The lateral loading history for all the tests consisted of reversed single displacement cycles to increments of 0.75 inches (19.05 mm) until the yield displacement for each case was reached. The computed yield displacement for square and circular piles was approximately 3 inches (76.2 mm). For the H-pile, the yield displacement was computed to be approximately 6.0 inches (152.4 mm). The loading history is shown in Figure 61 for the concrete piles. One case with each pile was subjected to inelastic/ductility cycles (see the starred cases in Figure 60).